

TIMOTHY P. MURRAY LIEUTENANTGOVERNOR

JUDYANN BIGBY, MD SECRETARY

JOHN AUERBACH COMMISSIONER

# The Commonwealth of Massachusetts

Executive Office of Health and Human Services
Department of Public Health
William A. Hinton State Laboratory Institute
305 South Street, Jamaica Plain, MA 02130
Bureau of Laboratory Sciences

02-14-12

Dear ADA Whalen:

Enclosed is the discovery packet for Commonwealth V Enclosed are copies of the following information:

- 1. The Drug Laboratory Receipt
- 2. The Drug Laboratory Control Cards
- 3. The Drug Powder Analysis Forms and Gas Chromatography Results
- 4. The GC/MS Confirmatory Data

I was the custodial chemist in this case and Kate Corbett was the confirmatory chemist. If you would like to discuss this case, please feel free to call me directly at the number below.

Sincerely,

Peter Piro

GC/MS Laboratory Supervisor I Department of Public Health Hinton State Laboratory Institute Forensic Drug Laboratory, Rm 361 305 South Street Jamaica Plain, Ma 02130 617-983-6634

Peter.Piro@state.ma.us

The Commonwealth of Massachusetts
Executive Office of Health and Human Services
Department of Public Health
State Laboratory Institute

Amherst Drug Laboratory Tel (413) 545-2601 Fax (413) 545-2608

Boston Hours 8:00 - 11:00 2:00 - 4:00

Jrug

Jratory

J17) 983-6622

.x (617) 983-6625

d

DRUG RECEIPT

2979

Amherst Hours 9:00 – 12:00 1:00 – 4:00

City or Department: Warm Wahle Folice Police Reference No.:

Name and Rank of Submitting Officer: Ptl- Er. ( Dr. fmeuro -

Defendant(s) Name (last, first, initial)

Description of Samples

To be completed by Lab Personnel Gross Weight

Lab Number

A Guid Aub Marle in a box/les I Bottle 249, 18a

Note to Lab: Upon MV Stop

Auspect dumped drugs in to

Coffee, This is Yhe centents

B the Coffee Cup.

Lip 1 Bottle 249. 18a

193.18a

Received by:

Date:

Corbett\_email\_PRR\_013262

Date Analyzed: | City: Barnstable Police Dept. Officer: P.O. ERIC DRIFMEYER Subst: LIQUID Amount: Cont: bottle No. Cont. No. Analyzed: Date Rec'd: 12/16/2011 Net Weight: 123,29% #Tests: 7 P.7:3 249.18 Gross Wt.: Prelim: Hero: 2 1-26-12 Findings: Date Analyzed: 1 | 30 | 12 City: Barnstable Police Dept.

Officer: P.O. ERIC DRIFMEYER

Amount:

4

No. Cont:

Cont: bottle

Date Rec'd: 12/16/2011

Gross Wt.:

-249.18

193.18

Prelim: HETO: N

1-26-12

1/3/12 8.9.0

Subst: LIQUID

No. Analyzed:

Net Weight: 67.0 gmas

# Tests: 7 P.P. ro

# DRUG POWDER ANALYSIS FORM

	AGENCY BARNSTABLE ANALYST	
No. of samples tested:	Evidence Wt.	249.18
	be coffee Gross WI ( ):- be coffee Gross WI ( ):- ed and pH recorded Pkg. WI:- Net WI:- extracted with Chlordorn -d pH Adjusted to pH	245.8 122.6 123.2 VOK
PRELIMINARY TESTS Spot Tests #1  Cobalt Thiocyanate ( )		200.0 500.0 sits Calibrate 1-23-12
PRELIMINARY TEST RESULTS  RESULTS () N KNOWN  DATE 1-23-12	GC/MS CONFIRMATORY  RESULTS HEADIN  MS OPERATOR KAC  DATE 1-30- 1-31-1	${oldsymbol  u}$

Revised 7/2005

Sequence Name: C:\msdchem\1\sequence\012512PJP.S

Comment:

Operator: P.PIRO

Data Path: D:\SYSTEM5 GC DATA\01\_25\_12\

Instrument Control Pre-Seq Cmd: Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd: Data Analysis Post-Seq Cmd:

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

On A Barcode Mismatch

(X) Inject Anyway () Don't Inject

	Line			Sample Name/Misc Info
1)	Sample	1	01	GENSCAN BLANK GENSCAN COCAINE/CODEINE MIX 7.32 7.89
2)	Sample	2	02	GENSCAN COCAINE/CODEINE MIX 7.321 1.8
3)	Sample	1	03	CRNCCAN BILANK
4)	Sample	4	04	GENSCAN HEROIN STD 8.64
5)	Sample	1	05	GENSCAN BLANK
6)	Sample	6	0.6	GENSCAN BUPRENORPHINE STD 13.69
7)	Sample	1	07	HERBOOK CENSCAN ABLANK COMMUNICATION OF STREET, AND STREET CONTRACTORS OF STREET
8)	Sample	8	0.8	
9)	Sample	1	09	GENSCAN BLANK
10)	Sample	10	10	GENSCAN 13.70 (4) BUPENOTPR
11)	Sample	1	11	GENSCAN BLANK
12)	Sample	12	12	GENSCAN 8.64 OCCT) HELD
13)	Sample	1	13	CRNCCAN RIANK
14)	Sample	14	14	GENSCAN 8 65
15)	Sample	(1) (1) (1) (1)	15	GENSCAN BLANK 8.65 dilute 3X (+) Heroin
16)	Sample	16	16	
17)	Sample	1	17	GENSCAN BLANK S.LA OK (A) HEROW
18)	Sample	18	18	
19)	Sample	1	19	GENSCAN BLANK

BII-14535-1,2

```
Data Path : D:\SYSTEM5 GC DATA\01_25_12\
 Data File: 01.D
 Signal(s) : FID1A.CH
 Acq On
             : 25 Jan 2012 11:52
 Sample
            : BLANK
 Misc.
                   Sample Multiplier: 1
 ALS Vial : 1
 Integration File: autoint1.e
           : C:\MSDCHEM\1\METHODS\GENSCAN.M
 Method
 Title
 Response
                                             Signal: 01.D\FID1A.CH
           1.265
  3800000
  3600000
  3400000
  3200000
  3000000
  28000000
  2600000
  2400000
  2200000
 2000000
 1800000
 1600000
 1400000
 1200000
 1000000
  800000
  600000
  400000
  200000
Time
            2,00
                  4.00
                        6.00
                              8.00 10.00 12.00 14.00 16.00 18.00 20.00 22.00 24.00
                                                                                    26.00
                                                                                          28.00
```

GENSCAN.M Wed Jan 25 12:26:36 2012

Data Path : D:\SYSTEM5 GC DATA\01\_25\_12\ Data File: 02.D Signal(s): FID1A.CH Acq On: 25 Jan 2012 12:28 Sample : COCAINE/CODEINE MIX Misc. ALS Vial : 2 Sample Multiplier: 1 Integration File: autoint1.e : C:\MSDCHEM\1\METHODS\GENSCAN.M Method Title Response Signal: 02.D\FID1A.CH 1.265 3800000 3600000 3400000 3200000 3000000 28000000 7.324 2600000 7.891 2400000 2200000 2000000 1800000 1600000 1400000 1200000 1000000 800000 600000 400000 200000 2.00 Time 4.00 6.00 8.00 10.00 12.00 14.00 16.00 18.00 20.00 22.00 24.00 26.00 28.00

GENSCAN.M Wed Jan 25 13:02:09 2012

Corbett\_email\_PRR\_013267

```
Data Path : D:\SYSTEM5 GC DATA\01_25_12\
 Data File: 03.D
Signal(s): FID1A.CH
            : 25 Jan 2012 13:03
 Acq On
 Sample
             : BLANK
Misc
                    Sample Multiplier: 1
 ALS Vial : 1
 Integration File: autointl.e
             : C:\MSDCHEM\1\METHODS\GENSCAN.M
Method.
Title
Response_
                                               Signal: 03.D\FID1A.CH
           1.264
  3800000
  3600000
  3400000
  3200000
 3000000
  2800000
 2600000
 2400000
 2200000
 2000000
 1800000
 1600000
 1400000
 1200000
 1000000
  800000
  600000
  400000
  200000
Time
            2.00
                  4.00
                         6.00
                               8.00 10.00 12.00 14.00 16.00 18.00 20.00 22.00 24.00 26.00 28.00
```

GENSCAN.M Wed Jan 25 13:37:53 2012

Data Path : D:\SYSTEM5 GC DATA\01\_25\_12\

Data File : 04.D

Signal(s) : FID1A.CH

Acq On : 25 Jan 2012 13:39 Sample : HEROIN STD Misc :

ALS Vial : 4 Sample Multiplier: 1

Integration File: autoint1.e

Method : C:\MSDCHEM\1\METHODS\GENSCAN.M

Title

Signal : FID1A.CH

peak		Start	End	PK	peak	pe	ak	peak	용	of	
#	min	min	min	TY	height	ar	ea	t max.	to	otal	
1 1	.265	1.240	1.408	BB	534732	587 509	962499	3 100.	00% 9	9.7	34%
		8.606	8.685	BB	134588.	1 (13,61	2156	0.27%	0.2		
			Sum c	of co	rrected	l areas	511.	323715	4		

```
Data Path : D:\SYSTEM5 GC DATA\01_25_12\
Data File : 04.D
Signal(s) : FID1A.CH
                : 25 Jan 2012 13:39
   Acq On
                : HEROIN STD
   Sample
   Misc
   ALS Vial : 4
                     Sample Multiplier: 1
   Integration File: autoint1.e
   Method
               : C:\MSDCHEM\1\METHODS\GENSCAN.M
   Title
   Response
                                                   Signal: 04.D\FID1A.CH
             1.265
    3800000
    3600000
    3400000
    3200000
    3000000
    2800000
    2600000
    2400000
    2200000
    2000000
    18000000
    16000000
    1400000
                                     8.642
    1200000
    1000000
     800000
     600000
     400000
    200000
  Time
               2.00
                      4.00
                            6.00
                                   8.00
                                       10.00 12.00 14.00 16.00 18.00 20.00 22.00 24.00
                                                                                            26.00 28.00
GENSCAN.M Wed Jan 25 14:13:23 2012
                                                                                                    Page: 2
```

```
Data Path : D:\SYSTEM5 GC DATA\01_25_12\
    Data File : 05.D
    Signal(s) : FID1A.CH
             : 25 Jan 2012 14:14
    Acq On
    Sample
              : BLANK
    Misc
    ALS Vial : 1
                     Sample Multiplier: 1
    Integration File: autoint1.e
   Method.
               : C:\MSDCHEM\1\METHODS\GENSCAN.M
   Title
   Response_
                                               Signal: 05.D\FID1A.CH
             1.265
     3800000
     3600000
     3400000
    3200000
    3000000
    2800000
    2600000
    2400000
    2200000
    2000000
    1800000
    1600000
    1400000
    1200000
    1000000
    800000
    600000
    400000
    200000
  Time
                    4.00
                          6.00
                                    10.00 12.00 14.00 16.00 18.00
                                8.00
                                                                  20.00 22.00 24.00 26.00 28.00
GENSCAN, M Wed Jan 25 14:48:59 2012
                                                                                           Page: 2
```

Data Path : D:\SYSTEM5 GC DATA\01\_25\_12\ Data File : 06.D Signal(s) : FID1A CH Acq On : 25 Jan 2012 14:50 Sample : BUPRENORPHINE STD Misc ALS Vial : 6 Sample Multiplier: 1 Integration File: autoint1.e Method: : C:\MSDCHEM\1\METHODS\GENSCAN.M Title Response Signal: 06.D\FID1A.CH 1.265 3800000 3600000 3400000 3200000 3000000 2800000 2600000 2400000 2200000 2000000 1800000 1600000 1400000 1200000 1000000 800000 600000 13.691 400000 200000 Time 4.00 6.00 8.00 10.00 12.00 14.00 16.00 18.00 20.00 22.00 24.00 26.00

GENSCAN.M Wed Jan 25 15:24:32 2012

Data Path : D:\SYSTEM5 GC DATA\01\_25\_12\ Data File : 11.D Signal(s) : FID1A.CH : 25 Jan 2012 17:48 Acq On Sample : BLANK Misc Sample Multiplier: 1 ALS Vial : 1 Integration File: autoint1.e : C:\MSDCHEM\1\METHODS\GENSCAN.M Method Title Response\_ Signal: 11.D\FID1A.CH 1.265 3800000 3600000 3400000 3200000 3000000 2800000 2600000 2400000 2200000 2000000 1800000 1600000 1400000 1200000 1000000 800000 600000 400000 200000 6.00 8.00 10.00 12.00 14.00 16.00 18.00 20.00 22.00 24.00 26.00 28.00 2.00 4.00 Time GENSCAN.M Wed Jan 25 18:22:25 2012 Page: 2 Data Path : D:\SYSTEM5 GC DATA\01\_25\_12\

Data File : 12.D Signal(s) : FID1A.CH

Acq On : 25 Jan 2012 18:23

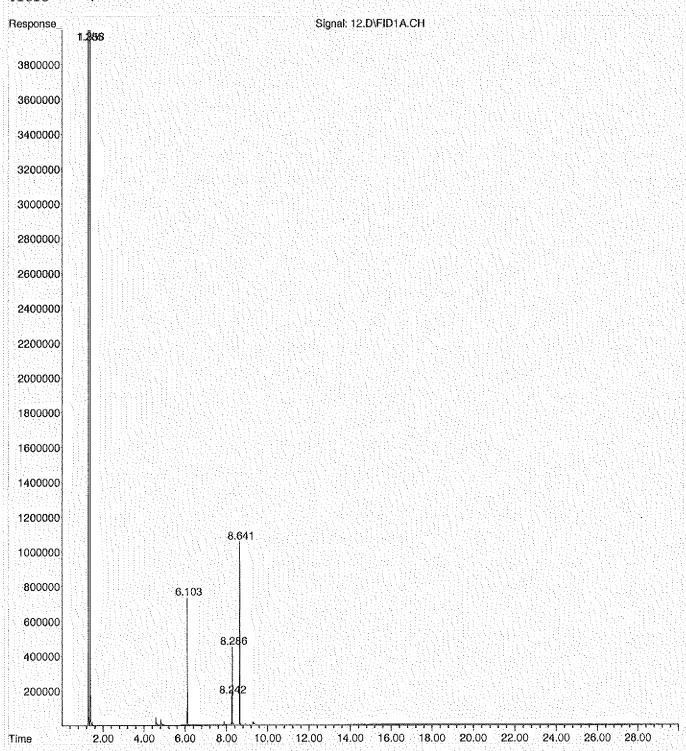
Misc

ALS Vial: 12 Sample Multiplier: 1

Integration File: autoint1.e

Method : C:\MSDCHEM\1\METHODS\GENSCAN.M

Title :



GENSCAN.M Wed Jan 25 18:58:00 2012

Data Path : D:\SYSTEM5 GC DATA\01\_25\_12\
Data File : 13.D Signal(s) : FID1A.CH : 25 Jan 2012 18:59 Acq On Sample : BLANK Misc ALS Vial : 1 Sample Multiplier: 1 Integration File: autoint1.e Method : C:\MSDCHEM\1\METHODS\GENSCAN.M Title. Signal: 13,D\FID1A.CH Response 1.265 3800000 3600000 3400000 3200000 3000000 2800000 2600000 2400000 2200000 2000000 1800000 1600000 1400000 1200000 1000000 800000 600000 400000 200000

8.00 10.00 12.00 14.00 16.00 18.00 20.00 22.00 24.00 26.00 28.00

Time

2.00

4.00

GENSCAN.M Wed Jan 25 19:33:31 2012

6.00

Data Path : D:\SYSTEM5 GC DATA\01\_25\_12\

Data File : 14.D

Signal(s) : FID1A.CH

Acq On : 25 Jan 2012 19:34

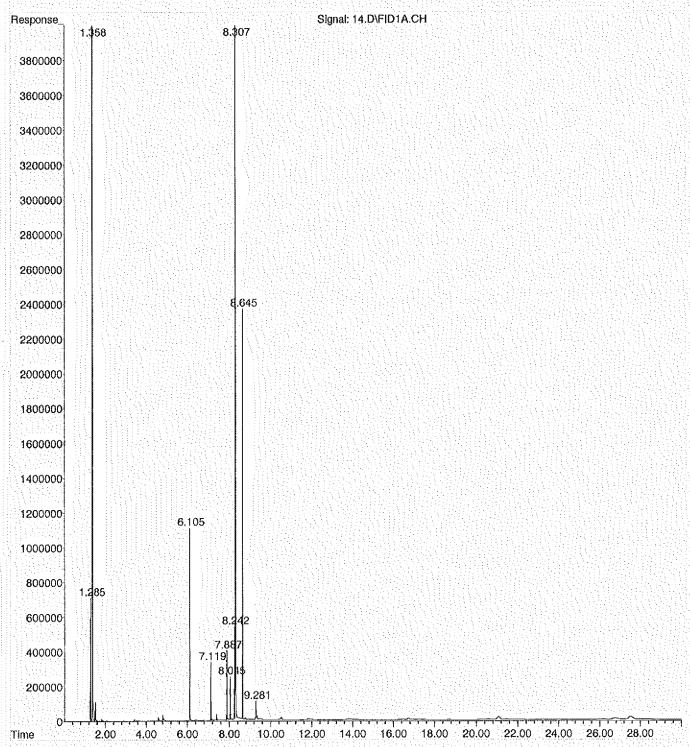
Misc

ALS Vial: 14 Sample Multiplier: 1

Integration File: autoint1.e

Method: C:\MSDCHEM\1\METHODS\GENSCAN.M

Title :



GENSCAN.M Wed Jan 25 20:09:05 2012

# DRUG POWDER ANALYSIS FORM

No. of samples tested:	AGENCY BANALYST P. P. T. S. 18  Evidence Wt. 193, 18
PHYSICAL DESCRIPTION: FOPE  I Amber bottle w  Liquid Centrific recorded Liquid Liquid extracte	the Ligard Gross Wt (): 189.1  Jed and pH  Pkg. Wt: 122.1  believed to be coffee Not Wt: 67.0  with Chlorocom H1)
PRELIMINARY TESTS	10justo to phalo + extractor with  # 2  GHAUS NIDIO  Serzith 1125493269  Californited 1-25-/2  6.2 grams  6.5  1.0  10.0  50.0  500.0
Spot Tests # 1  Cobalt Thiocyanate ( )  Marquis Purple	Microcrystalline Tests  Bue Gold Chloride Purple TLTA()  Purple OTHER TESTS
PRELIMINARY TEST RESULTS  RESULTS 1)り k no いり  DATE 1-25-12	GC/MS CONFIRMATORY TEST  RESULTS HOROIN  MS CAC  OPERATOR 1-30-12 - MS  1-31-12 Final

Sequence Name: C:\msdchem\1\sequence\012512PJP.S

Comment:

Operator: P.PIRO
Data Path: D:\SYSTEM5 GC DATA\01\_25\_12\

Instrument Control Pre-Seq Cmd: Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd: Data Analysis Post-Seq Cmd:

Method Sections To Run

(X) Full Method ( ) Reprocessing Only On A Barcode Mismatch

(X) Inject Anyway ( ) Don't Inject

1	Line			Sample Name/Misc Info
1)	Sample	1	01	GENSCAN BLANK
2)	Sample	2	02	GENSCAN COCAINE/CODEINE MIX 7.321/10
3)	Sample	1	03	GENSCAN BLANK ENGLES OF THE STATE OF THE STA
4)	Sample	4	04	GENSCAN HEROIN STD 8-64
5)	Sample	1	05	GENSCAN BLANK
6)	Sample	6	06	GENSCAN BUPRENORPHINE STD 13.67
7)	Sample	1	07	GENSCAN BI.ANK
8)	Sample	8	0.8	GENSCAN S.64 (+) Hero.~
9)	Sample	1	09	GENSCAN BLANK
10)	Sample	10	10	GENSCAN BLANK GENSCAN 13.70 (+) Buprenorphive
11)	Sample	1	11	THE SET GENSCAN TO BLANK THE PROPERTY OF A TO SEE OF A ALL LACAL THE BEST OF A
12)	Sample	12	12	GENSCAN BLANK GENSCAN 8.64 OK C+) Heroca
13)	Sample	1	13	THE GRANSCAN BLANK SEED TO A LEGITLE AND EXTRACTOR
14)	Sample	14	14	GENSCAN 8.65
15)	Sample	1	15	HIGH THE GRNSCAN TRIANK HOUSE HERE ZONE III-( ) HOW I/ (L) LLD C) AL
16)	Sample	16	16	GENSCAN 8.65 dilute SX (T) 12
17)	Sample	1	17	GENSCAN BLANK
18)	Sample	18	18	GENSCAN BLAVE 8.64 OK (4) Hero. N
19)	Sample	1	19	GENSCAN BLANK

BII-14536-1,2

Data Path : D:\SYSTEM5 GC DATA\01\_25\_12\ Data File : 01.D Signal(s) : FID1A.CH Acq On : 25 Jan 2012 11:52 Sample : BLANK Misc. ALS Vial : 1 Sample Multiplier: 1 Integration File: autointl.e : C:\MSDCHEM\1\METHODS\GENSCAN.M Title Response Signal: 01.D\FID1A.CH 1.265 3800000 3600000 3400000 3200000 3000000 2800000 2600000 2400000 2200000 20000000 1800000 1600000 1400000 1200000 1000000 800000 600000 400000 200000 Time 6.00 8.00 10.00 12.00 14.00 16.00 18.00 20.00 22.00 24.00 26.00 28.00 2.00 4.00 GENSCAN.M Wed Jan 25 12:26:36 2012 Page: 2

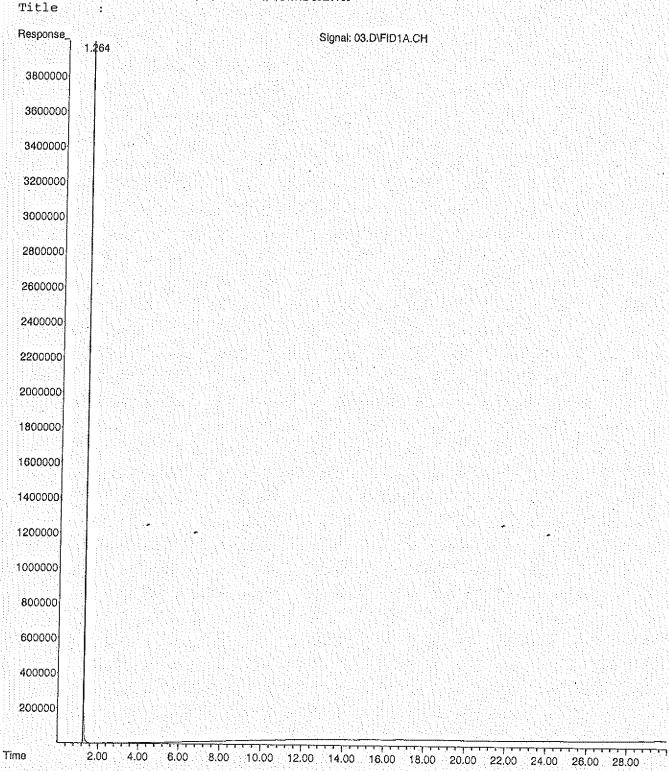
Area Percent Report Data Path : D:\SYSTEM5 GC DATA\01\_25\_12\ Data File : 02.D Signal(s) : FID1A.CH Acq On : 25 Jan 2012 12:28 Sample : COCAINE/CODEINE MIX Misc ALS Vial : 2 Sample Multiplier: 1 Integration File: autoint1.e Method : C:\MSDCHEM\1\METHODS\GENSCAN.M Title Response Signal: 02.D\FID1A.CH 1.265 3800000 3600000 3400000 3200000 3000000 2800000 7.324 2600000 7.891 2400000 2200000 2000000 1800000 1600000 1400000 1200000 1000000 800000 600000 400000 200000 Time 2.00 4.00 6.00 8.00 10.00 12.00 14.00 16.00 18.00 20.00 22.00 24.00 26.00 28.00

GENSCAN.M Wed Jan 25 13:02:09 2012

# Area Percent Report Data Path : D:\SYSTEM5 GC DATA\01\_25\_12\ Data File : 03.D Signal(s) : FID1A.CH Acq On : 25 Jan 2012 13:03 Sample : BLANK Misc ALS Vial: 1 Sample Multiplier: 1

Integration File: autoint1.e

Method : C:\MSDCHEM\1\METHODS\GENSCAN.M



GENSCAN.M Wed Jan 25 13:37:53 2012

Data Path : D:\SYSTEM5 GC DATA\01\_25\_12\

Data File: 04.D

Signal(s) : FID1A.CH

Acq On : 25 Jan 2012 13:39 Sample : HEROIN STD

Misc

ALS Vial: 4 Sample Multiplier: 1

Integration File: autoint1.e

Method : C:\MSDCHEM\1\METHODS\GENSCAN.M

Title

Signal : FID1A.CH

peak R.T. # min			peak height	peak area		% of . total
1 1.265	1.240 1.408	BB	5347325	87 50996:	24998 100	.00% 99.734%
2 8.642	8.606 8.685	BB	1345881	136121:	56 0.27	% 0.266%

Data Path : D:\SYSTEM5 GC DATA\01\_25\_12\ Data File : 04.D Signal(s) : FID1A.CH Acq On : 25 Jan 2012 13:39 Sample : HEROIN STD Misc ALS Vial : 4 Sample Multiplier: 1 Integration File: autoint1.e : C:\MSDCHEM\1\METHODS\GENSCAN.M Title Response\_ Signal: 04.D\FID1A.CH 1.265 3800000 3600000 3400000 3200000 3000000 2800000 2600000 2400000 2200000 2000000 18000000 1600000 1400000 8.642 12000000 1000000 800000 600000 400000 200000 Time 2.00 4.00 8.00 10.00 12.00 14.00 16.00 18.00 20.00 22.00 24.00 26.00 28.00 6.00 GENSCAN.M Wed Jan 25 14:13:23 2012 Page: 2

```
Data Path : D:\SYSTEM5 GC DATA\01_25_12\
     Data File : 05.D
     Signal(s): FID1A.CH
Acq On: 25 Jan 2012 14:14
Sample: BLANK
     Misc
     ALS Vial : 1
                        Sample Multiplier: 1
     Integration File: autoint1.e
     Method
                : C:\MSDCHEM\1\METHODS\GENSCAN.M
     Title.
     Response_
                                                   Signal: 05.D\FID1A.CH
               1.265
      3800000
      3600000
      3400000
      3200000
      3000000
     2800000
     2600000
     24000000
     2200000
     2000000
     1800000
     1600000
     1400000
    1200000
    1000000
     800000
     600000
     400000
     200000
  Time
                            6.00 8.00 10.00 12.00 14.00 16.00 18.00 20.00 22.00 24.00 26.00
               2.00
                      4.00
                                                                                                 28.00
GENSCAN.M Wed Jan 25 14:48:59 2012
                                                                                                  Page: 2
```

```
Data Path : D:\SYSTEM5 GC DATA\01_25_12\
     Data File: 06.D
     Signal(s): FID1A.CH
Acq On : 25 Jan 2012 14:50
     Acq On
     Sample
                 : BUPRENORPHINE STD
     Misc
     ALS Vial ; 6
                        Sample Multiplier: 1
     Integration File: autoint1.e
     Method
                 : C:\MSDCHEM\1\METHODS\GENSCAN.M
     Title
     Response_
                                                  Signal: 06.D\FID1A.CH
               1.265
      3800000
      3600000
      3400000
      3200000
     3000000
     2800000
     2600000
     2400000
     2200000
     2000000
     1800000
     1600000
    1400000
    1200000
    1000000
     800000
     600000
                                                  13.691
     400000
    200000
                           6.00 8.00 10.00 12.00 14.00 16.00 18.00 20.00 22.00 24.00 26.00 28.00
  Time.
               2.00
                     4.00
GENSCAN.M Wed Jan 25 15:24:32 2012
                                                                                               Page: 2
```

Data Path : D:\SYSTEM5 GC DATA\01\_25\_12\

Data File : 15.D

Signal(s): FID1A.CH Acq On: 25 Jan 2012 20:10

Sample : BLANK

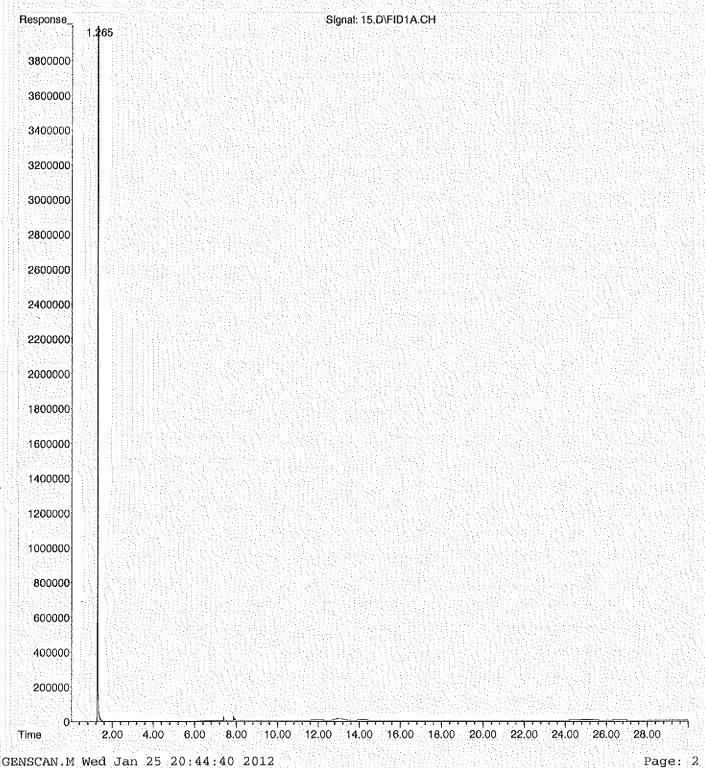
Misc

: 1 ALS Vial Sample Multiplier: 1

Integration File: autoint1.e

: C:\MSDCHEM\1\METHODS\GENSCAN.M Method

Title



Data Path : D:\SYSTEM5 GC DATA\01\_25\_12\

Data File : 16.D

Signal(s) : FID1A.CH

Acq On : 25 Jan 2012 20:46

Misc : ALS Vial : 16 Sample Multiplier: 1

Integration File: autoint1.e

Method : C:\MSDCHEM\1\METHODS\GENSCAN.M

Title

Signal : FID1A.CH

peak		Start	End		peak	peak	peak	% of
#	min	min	min	.1.X	height	area	% max.	total
1	1.286	1.234	1.318	BV	3644661	26870524	0.80%	0.735%
2	1.328	1.318	1.349	VV	166691	1307256	0.04%	0.036%
3	1.361	1.349	1.456	VB	28996535	5 33574685	69 100.0	0% 91.806%
4	1.508	1.494	1.546	PB	175417	1547753	0.05%	0.042%
5	2.678	2.614	2.734	BB	324844	6052318	0.18%	0.165%
6	3.400	3,359	3.454	BB	390202	3225886	0.10%	0.088%
7	4.566	4.548	4.626	BB	481288	3820573	0.11%	0.104%
8	4.796	4.776	4.854	BB	397449	3310738	0.10%	0.091%
9	6.112	6.079	6.166	BB	2410980	21636344	0.64%	0.592%
10	6.371	6.334	6.406	BV	139411	1291944	0.04%	0.035%
11	8.242	8.199	8.265	BV	694243	6118588	0.18%	0.167%
12	8.285	8.265	8.339	VB	258320	2295882	0.07%	0.063%
13		8.608	8.676	BB	3965608	43374726	1.29%	1.186%
	10.503	10.464	10.593	VB	236607	5878166	0.18%	0.161%
15	13.831	13.641	13.916	BB	104199	7420306	0.22%	0.203%
	16.745	16.618	16.972	BB	169648	12865619	0.38%	0.352%
	21.157	20.905	21.382	BB	392096	39626343	1.18%	1.084%
	26.912	26.525	27.195	BB	213713	35502559	1.06%	0.971%
7.3	27.756	27.368	27.784	BV	506981	52052501	1.55%	1.423%
20	27.795	27.784	28.028	VB	491511	25482329	0.76%	0.697%

Sum of corrected areas: 3657148926

Data Path : D:\SYSTEM5 GC DATA\01\_25\_12\

Data File : 16.D

Signal(s): FID1A.CH Acq On: 25 Jan 2012 20:46

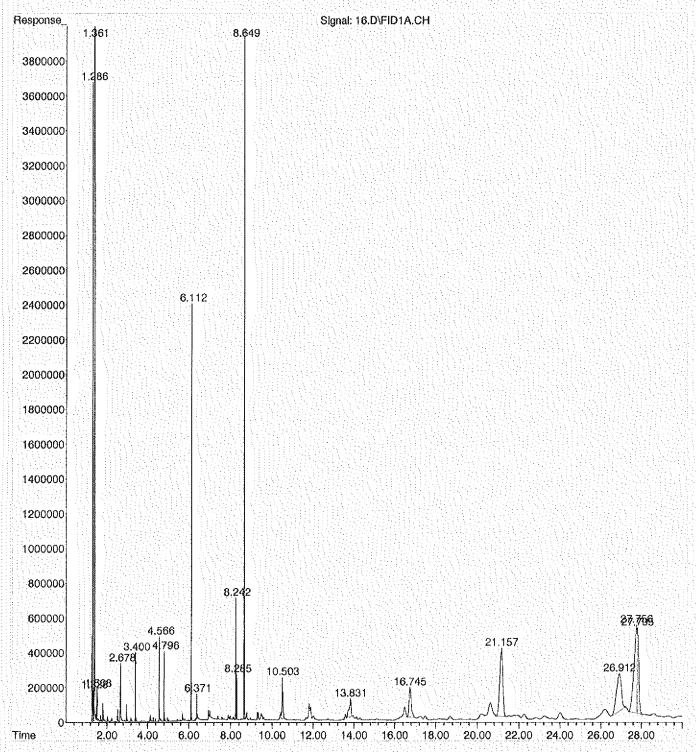
 $\mathtt{MlSC}$ 

ALS Vial: 16 Sample Multiplier: 1

Integration File: autoint1.e

Method : C:\MSDCHEM\1\METHODS\GENSCAN.M

Title :



GENSCAN.M Wed Jan 25 21:20:13 2012

Page: 2

```
Data Path : D:\SYSTEM5 GC DATA\01_25_12\
```

Data File : 17.D Signal(s) : FID1A.CH

Acq On : 25 Jan 2012 21:21

Sample : BLANK

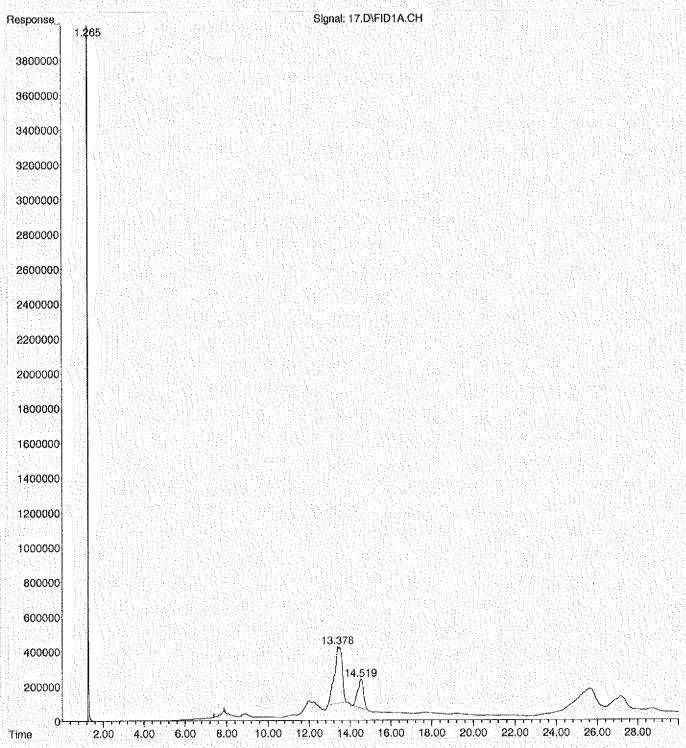
Misc

ALS Vial: 1 Sample Multiplier: 1

Integration File: autointl.e

Method : C:\MSDCHEM\1\METHODS\GENSCAN.M

Title :



GENSCAN.M Wed Jan 25 21:55:47 2012

Data Path : D:\SYSTEM5 GC DATA\01\_25\_12\

Data File: 18.D Signal(s): FID1A.CH

Acq On : 25 Jan 2012 21:57

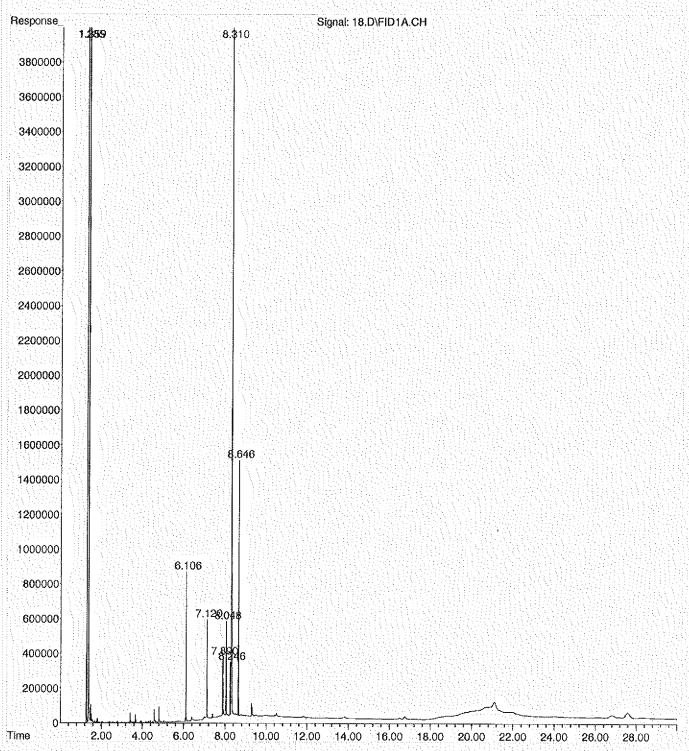
Misc

ALS Vial: 18 Sample Multiplier: 1

Integration File: autoint1.e

Method : C:\MSDCHEM\1\METHODS\GENSCAN.M

Title :



GENSCAN.M Wed Jan 25 22:31:26 2012

Data Path : D:\SYSTEM5 GC DATA\01\_25\_12\

Data File : 19.D Signal(s) : FID1A.CH

Acq On : 25 Jan 2012 22:32

Sample : BLANK

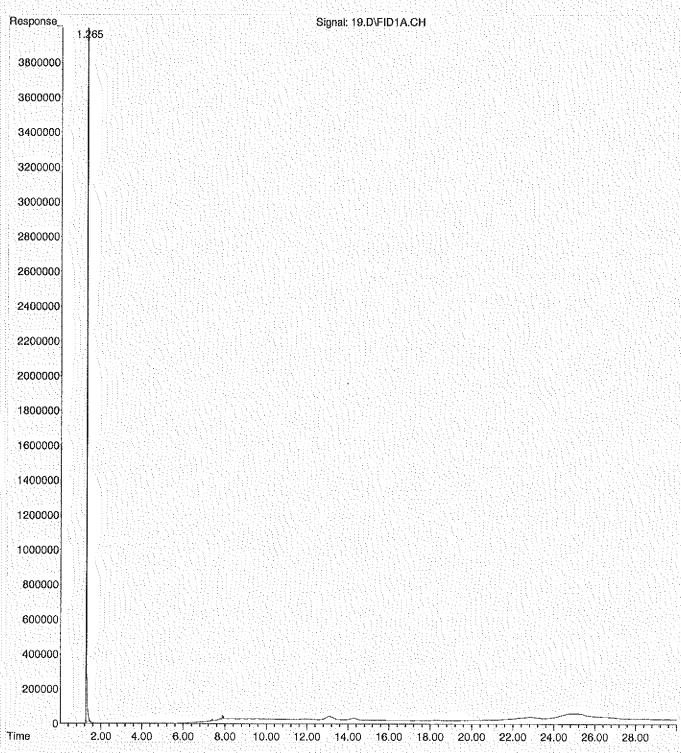
Misc

ALS Vial : 1 Sample Multiplier: 1

Integration File: autoint1.e

Method : C:\MSDCHEM\1\METHODS\GENSCAN.M

Title :



GENSCAN.M Wed Jan 25 23:06:59 2012

# Area Percent / Library Search Report

VKAC S/14/12

Information from Data File:

File Name : C:\msdchem\1\System7\01\_26\_12\815004.D

Operator : KAC

Date Acquired : 26 Jan 2012 10:51

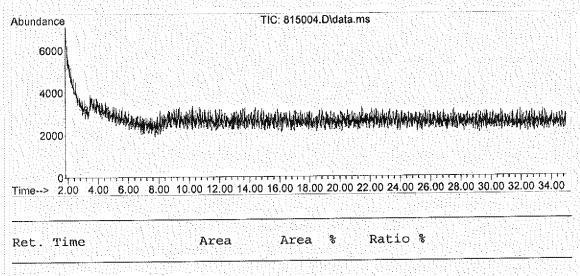
Sample Name : BLANK

Submitted by

Vial Number : 1

AcquisitionMeth: SCREEN.M

Integrator : RTE



\*\*\*NO INTEGRATED PEAKS\*\*\*

### Area Percent / Library Search Report

Information from Data File:

File Name : C:\msdchem\1\System7\01\_26\_12\815005.D

Operator : KAC

Date Acquired : 26 Jan 2012 11:30

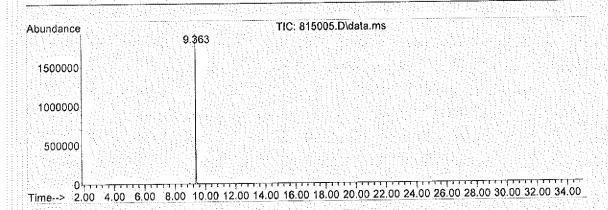
Sample Name : HEROIN STD

Submitted by

Vial Number : 5

AcquisitionMeth: SCREEN.M

Integrator : RTE



Ret. Time	Area	Area	% Ratio	*	
9,363	2381630	100.0	0 100.00		

815005.D

Tue Feb 14 12:59:55 2012

Information from Data File:

: C:\msdchem\1\System7\01\_26\_12\815005.D File Name

Operator | KAC

26 Jan 2012 11:30

Date Acquired Sample Name HEROIN STD

Submitted by

PK#

5 Vial Number

SCREEN.M AcquisitionMeth:

RTE Integrator

RT

Search Libraries: C:\Database\SLI.L

C:\Database\NIST05a.L.

C:\Database\PMW\_TOX2.L

Minimum Quality: 80

Minimum Quality: 80

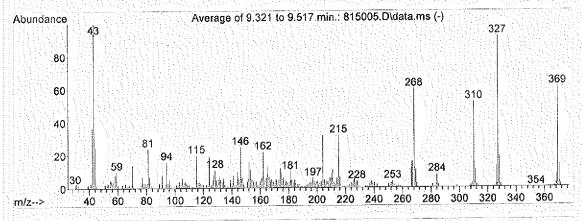
CAS# Qual

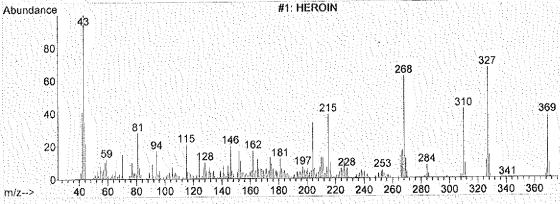
1 9.36 C:\Database\SLI.L

HEROIN

Library/ID

000561-27-3 99





815005.D

Tue Feb 14 12:59:56 2012

#### Area Percent / Library Search Report

Information from Data File:

File Name : C:\msdchem\1\System7\01\_26\_12\815006.D

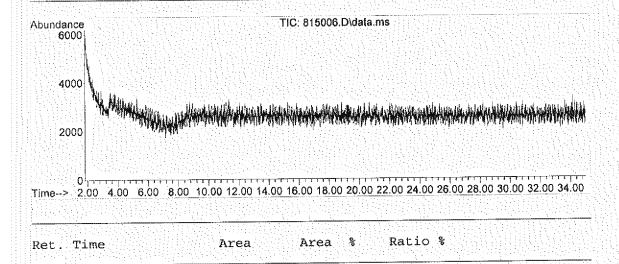
: KAC Operator ...

Date Acquired : 26 Jan 2012 12:09

: BLANK Sample Name Submitted by : P.PIRO 1. Vial Number

AcquisitionMeth: SCREEN.M

: RTE Integrator



\*\*\*NO INTEGRATED PEAKS\*\*\*

Tue Feb 14 13:00:07 2012 815006.D

### Area Percent / Library Search Report

Information from Data File:

File Name : C:\msdchem\1\System7\01\_26\_12\815007.D

Operator : KAC

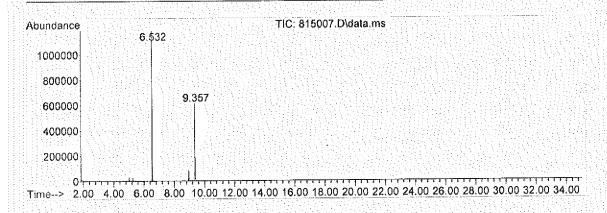
Date Acquired : 26 Jan 2012 12:48

Submitted by P.PIRO

Vial Number : 7

AcquisitionMeth: SCREEN.M

Integrator : RTE



Ret. Time	Area Area % Ra	itio %	
	1151651 60.28 10 758849 39.72 0		

815007.D

Tue Feb 14 13:00:11 2012

```
Information from Data File:
```

: C:\msdchem\1\System7\01\_26\_12\815007.D File Name

: KAC Operator

Date Acquired 26 Jan 2012 12:48

Submitted by P, PIRO

7 Vial Number

AcquisitionMeth: SCREEN.M

RTE Integrator

C:\Database\SLI.L Search Libraries:

C:\Database\NIST05a.L

C:\Database\PMW\_TOX2.L

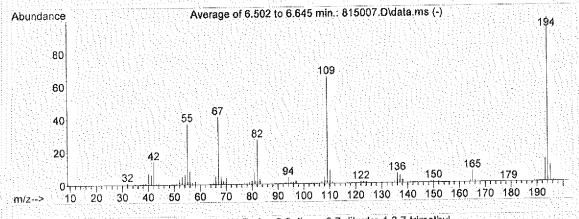
	보는 살 하고 있는 이 없이 살아 있다면 하는 것이 없는데 없었다.	글로 그들 그들다 되었다는 것은 그들은 그리는 것은 것이다.
	사람이 아이들은 이 그 가장 그를 가장 하는 것 같아.	
PK# RT Librar	//TD into Halle Hillar Alleanni H	CAS# Qual
		이 없었다. 하는 사람들은 그리고 그를 살을 하는 것이다.
	4、 医自己性病 化二甲基酚 医二甲基酚 有有效 化乙基 化光谱 有原义 化二甲基酚 化二甲基酚 医多种小型	医水类性 化二甲基二甲二甲基甲二甲基甲二甲基甲二甲基甲二甲基甲二甲基甲二甲基甲甲基甲甲基甲甲

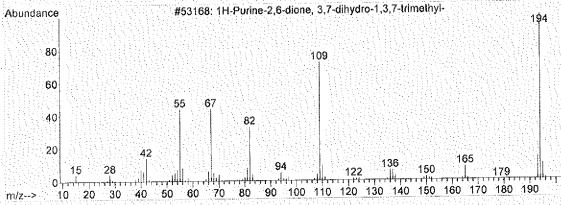
6.53 C:\Database\NIST05a.L 1

1H-Purine-2,6-dione, 3,7-dihydro-1, 000058-08-2 1H-Purine-2,6-dione, 3,7-dihydro-1, 000058-08-2 1H-Purine-2,6-dione, 3,7-dihydro-1, 000058-08-2 98 98 97

Minimum Quality: 80

Minimum Quality: 80





815007.D

Tue Feb 14 13:00:11 2012

Information from Data File:

File Name : C:\msdchem\1\System7\01\_26\_12\815007.D

Operator : KAC

Date Acquired : 26 Jan 2012 12:48

Submitted by : P.PIRO

Vial Number : 7

AcquisitionMeth: SCREEN.M

Integrator : RTE

Search Libraries: C:\Database\SLI.L

C:\Database\SLI.L Minimum Quality: 80 C:\Database\NIST05a.L Minimum Quality: 80

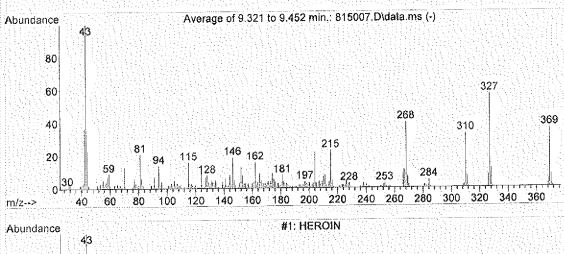
C:\Database\PMW\_TOX2.L

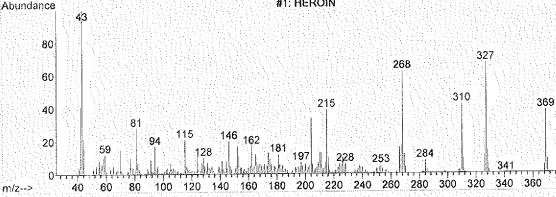
PK# RT Library/ID CAS# Qual

2 9.36 C:\Database\SLI.L

HEROIN

000561-27-3 99





815007.D

Tue Feb 14 13:00:12 2012

Information from Data File:

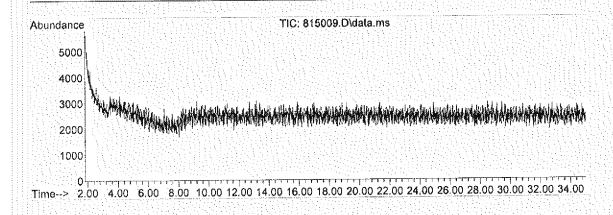
File Name : C:\msdchem\1\System7\01\_26\_12\815009.D

: KAC Operator

Date Acquired : 26 Jan 2012 14:06

Sample Name : BLANK Submitted by : P.PIRO 1 Vial Number AcquisitionMeth: SCREEN.M

: RTE Integrator



Ret. Time

Area

Area

Ratio %

\*\*\*NO INTEGRATED PEAKS\*\*\*

815009.D

Tue Feb 14 13:00:24 2012

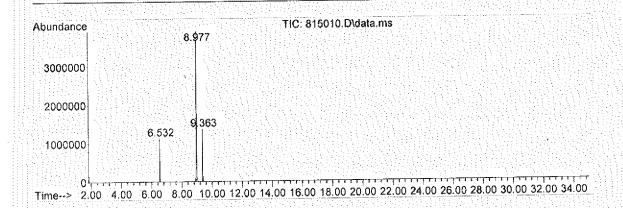
Information from Data File:

File Name : C:\msdchem\1\System7\01\_26\_12\815010.D

Operator : KAC

Date Acquired : 26 Jan 2012 14:45

Submitted by : P.PIRO
Vial Number : 10
AcquisitionMeth: SCREEN.M
Integrator : RTE



Ret Time A	rea Area % Ratio	o %
6.532	8440 11.22 15.	92
	75726 70.52 100.0 33896 18.25 25.0	

: C:\msdchem\1\System7\01\_26\_12\815010.D File Name

KAC Operator

14:45 26 Jan 2012 Date Acquired

Submitted by P.PIRO Vial Number AcquisitionMeth: SCREEN.M

RTE Integrator

C:\Database\SLI.L Search Libraries:

C:\Database\NIST05a.L

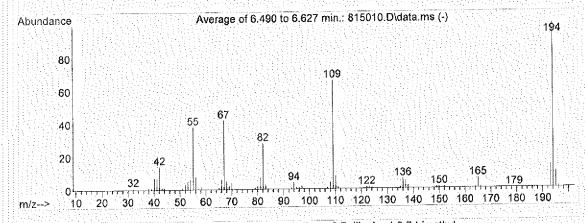
C:\Database\PMW\_TOX2.L

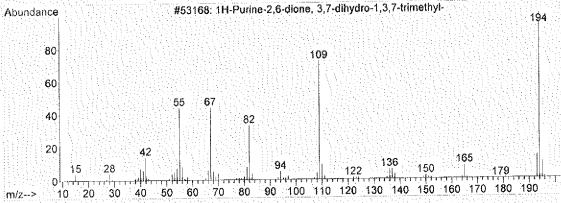
Minim	m Quality: 80
Minim	ım Quality: 80

CAS#

Qual

PK#	RT			Lik	rar	y/3	D											CZ	\S#			•	)ua	1
1	6	53	(	·\r	)ata	bas	se\l	NIS'	T05	a.l	<u>.</u>													
	Ť			1H-	Pur	cine	2-2	, 6 -	dic	ne.	, 3	, 7 . 7-	di di	hyd hyd	lro Iro	-1, -1,	0	000	)58 )58	- 08 - 08	3-2 3-2		98 98	
				1H-	Pu	ine	≘-2	, 6 -	dic	ne	, 3	, 7	di	hyc	iro	-1	0	000	58	-08	3-2		96	i





File Name : C:\msdchem\1\System7\01\_26\_12\815010.D

Operator : KAC

Date Acquired : 26 Jan 2012 14:45

Submitted by : P.PIRO
Vial Number : 10
AcquisitionMeth: SCREEN.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L

C:\Database\NIST05a.L

C:\Database\MM\_TOX2.L

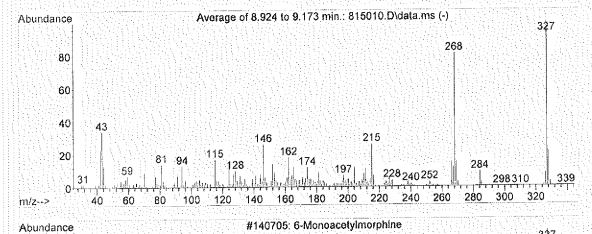
PK# RT Library/ID CAS# Qual

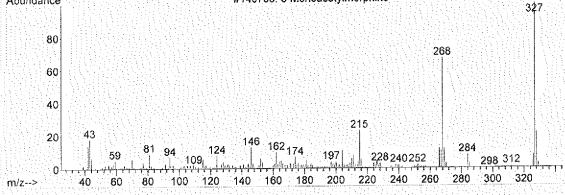
2 8.98 C:\Database\NIST05a.L

6-Monoacetylmorphine 6-Monoacetylmorphine 6-Monoacetylmorphine 002784-73-8 99 002784-73-8 99 002784-73-8 91

Minimum Quality: 80

Minimum Quality: 80





815010.D

Tue Feb 14 13:00:30 2012

File Name : C:\msdchem\1\System7\01\_26\_12\815010.D

Operator : KAC

Date Acquired : 26 Jan 2012 14:45

Submitted by : P.PIRO
Vial Number : 10
AcquisitionMeth: SCREEN.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L

C:\Database\SLI.L Minimum Quality: 80 C:\Database\NIST05a.L Minimum Quality: 80

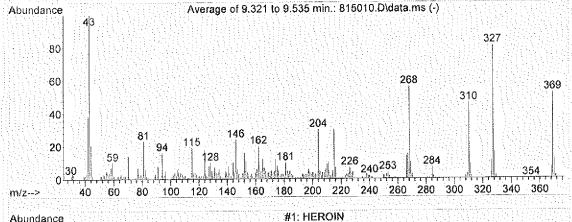
C:\Database\PMW\_TOX2.L

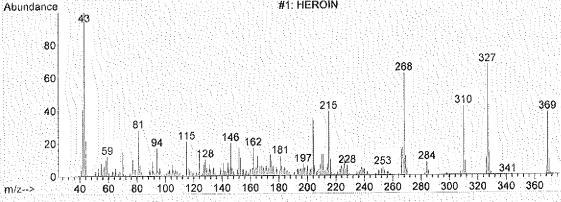
PK# RT Library/ID CAS# Qual

3 9.36 C:\Database\SLI.L

HEROIN

000561-27-3 99





815010.D

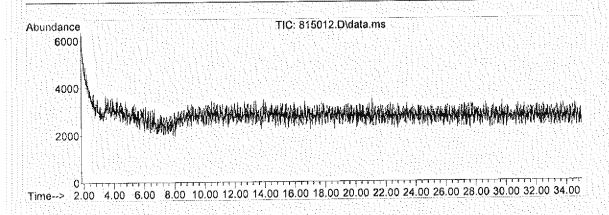
Tue Feb 14 13:00:30 2012

File Name : C:\msdchem\1\System7\01\_26\_12\815012.D

Operator : KAC Date Acquired : 26 Jan 2012 16:04

; BLANK Sample Name : P.PIRO Submitted by Vial Number 1 AcquisitionMeth: SCREEN.M

Integrator : RTE



Ret. Time

Area

Area %

Ratio %

\*\*\*NO INTEGRATED PEAKS\*\*\*

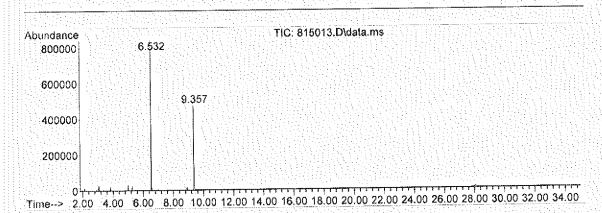
Information from Data File:

File Name : C:\msdchem\1\System7\01\_26\_12\815013.D

Operator : KAC

Date Acquired : 26 Jan 2012 16:43

Submitted by : P.PIRO
Vial Number : 13
AcquisitionMeth: SCREEN.M
Integrator : RTE



Ret. Time	Area Ar	ea % Rat	io %	
6.532 9.357	769611 5 602726 4	66.08 100 3.92 78	.00 .32	

Tue Feb 14 13:00:49 2012

Page 1

815013.D

```
Information from Data File:
```

: C:\msdchem\1\System7\01\_26\_12\815013.D File Name

: KAC Operator.

Date Acquired : 26 Jan 2012 16:43

: P.PIRO Submitted by Vial Number 13 AcquisitionMeth: SCREEN.M RTE Integrator

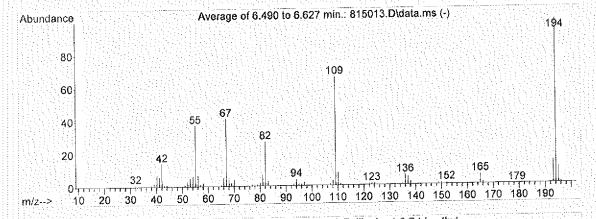
C:\Database\SLI.L Search Libraries:

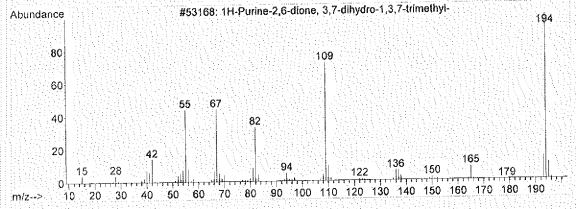
Library/ID

C:\Database\NIST05a.L

C:\Database\PMW\_TOX2.L

Hit,					10 11 10 1 <u>1 11 1</u>	South Nation						1 1	
1111	1:17:11												
	1	6 5	3 (	:\Datab	ase\NIS	T05a L							Nie
	<b>†</b>	0.5	,	1H-Puri	ne-2 6-	dione.	3.7-d	lihvdro	0-1,	00005	8-08-2	2	98
				1H-Puri	ne-2,6-	dione.	3.7-d	lihvdro	0-1,	00005	8-08-2	3	98
				1H-Puri	ne 2,0	dione	3 7-4	Hhydro	n-1	00005	8-08-3	2	96
1111			5 V 3 H 5 W	TH-BULT	115-2,0-	arone,	31/	array was					





815013.D

Tue Feb 14 13:00:49 2012

Page 2

Minimum Quality: 80

Minimum Quality: 80

Qual

CAS#

File Name : C:\msdchem\1\System7\01\_26\_12\815013.D

Operator : KAC

Date Acquired : 26 Jan 2012 16:43

Submitted by : P.PIRO
Vial Number : 13
AcquisitionMeth: SCREEN.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L

Minimum Quality: 80

C:\Database\NIST05a.L

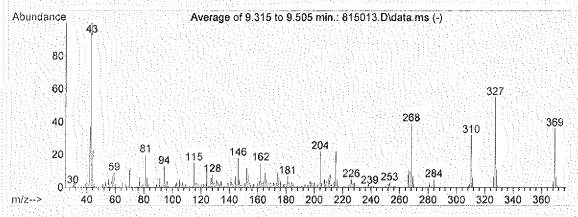
Minimum Quality: 80

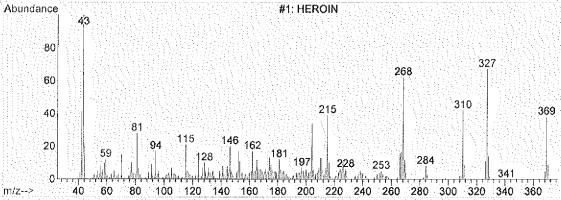
C:\Database\PMW\_TOX2.L

PK# RT Library/ID CAS# Qual

2 9.36 C:\Database\SLI.L HEROIN

000561-27-3 91





815013.D

Tue Feb 14 13:00:50 2012

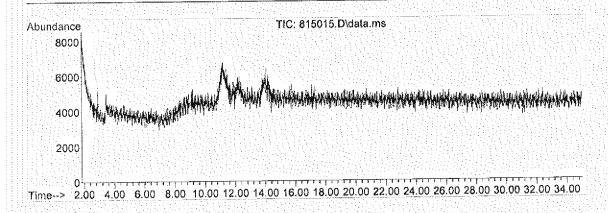
File Name : C:\msdchem\1\System7\01\_26\_12\815015.D

Operator : KAC

Date Acquired : 26 Jan 2012 18:01

. 26 Jan : BLANK : P.PIRO : 1 Sample Name Submitted by Vial Number AcquisitionMeth: SCREEN.M

: RTE Integrator



Ret. Time

Area

Area %

Ratio %

\*\*\*NO INTEGRATED PEAKS\*\*\*

815015,D

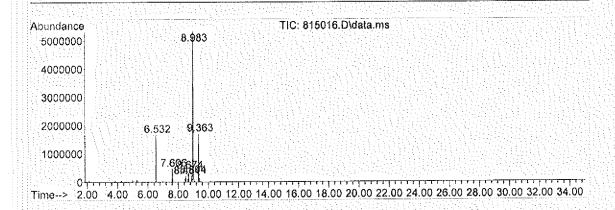
Tue Feb 14 13:01:02 2012

File Name : C:\msdchem\1\System7\01\_26\_12\815016.D

Operator : KAC

Date Acquired : 26 Jan 2012 18:40

Submitted by : P.PIRO
Vial Number : 16
AcquisitionMeth: SCREEN.M
Integrator : RTE



Ret. Time	Area Area % Ratio %
6.532	1758735 9.93 14.64
7.606	518897 2.93 4.32
8.484	212713
8.674	516702 2.92 4.30
8.894	319090 1.80 2.66
8.983	12011516 67.85 100.00
9.363	2365474 13.36 19.69

File Name : C:\msdchem\1\System7\01 26 12\815016.D

: KAC Operator.

Date Acquired 26 Jan 2012 18:40

: P, PIRO Submitted by Vial Number 16 AcquisitionMeth: SCREEN.M Integrator : RTE

Search Libraries: C:\Database\SLI.L

Minimum Quality: 80 Minimum Quality: 80

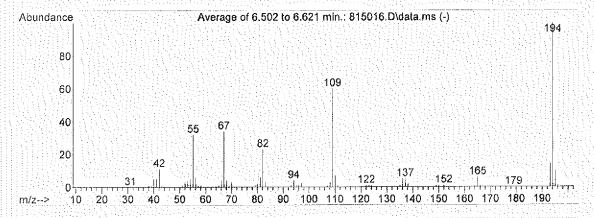
C:\Database\NIST05a.L

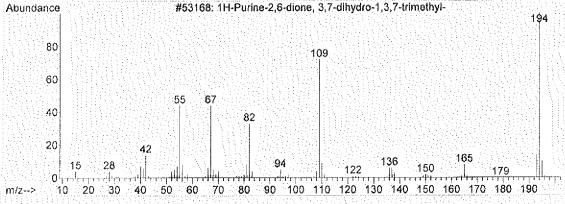
C:\Database\PMW\_TOX2.L

	P.T	Library					
						CAS#	aı.
PK#							

6.53 C:\Database\NIST05a.L

1H-Purine-2,6-dione, 3,7-dihydro-1, 000058-08-2 98 1H-Purine-2,6-dione, 3,7-dihydro-1, 000058-08-2 97 1H-Purine-2,6-dione, 3,7-dihydro-1, 000058-08-2 96





815016.D

Tue Feb 14 13:01:08 2012

Information from Data File:

: C:\msdchem\1\System7\01\_26\_12\815016.D File Name

Operator : KAC

26 Jan 2012 18:40 Date Acquired

Submitted by P.PIRO Vial Number 16 AcquisitionMeth: SCREEN.M Integrator

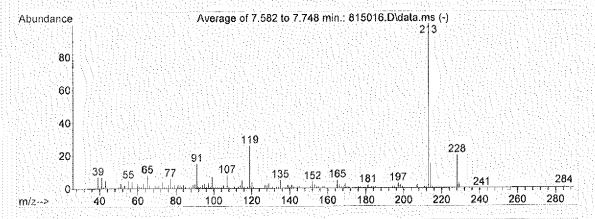
Search Libraries: C:\Database\SLI.L

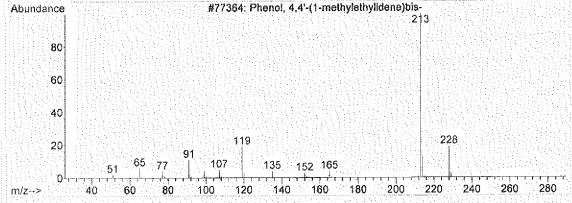
Minimum Quality: 80 Minimum Quality: 80

C:\Database\NIST05a.L

C:\Database\PMW\_TOX2.L

i	HORAT CAST CONTRACTOR CAST CAST CONTRACTOR CAST CAST CAST CAST CAST CAST CAST	Quar
i		
H	2 7.61 C:\Database\NIST05a.L	
H	THE THE PROPERTY OF THE PROPERTY OF A PARTY OF THE COLDY TRACES OF A COLD OF A PARTY OF	98
i	Phenol, 4,4!-(1-methylethylidene)bi 000080-05-7	98
	Phenol, 4,4'-(1-methylethylidene)bi 000080-05-7	95





815016,D

Tue Feb 14 13:01:08 2012

File Name : C:\msdchem\1\System7\01\_26\_12\815016.D

Operator : KAC

Date Acquired : 26 Jan 2012 18:40

Submitted by P.PIRO

Vial Number : 16 AcquisitionMeth: SCREEN.M

Integrator : RTE

Search Libraries: C:\Database\SLI.L

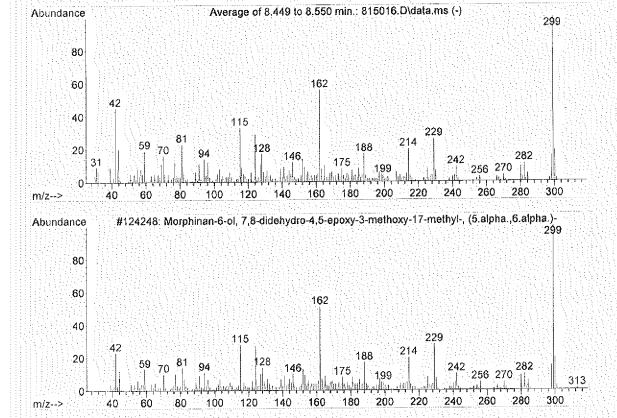
\Database\SLI.L Minimum Quality: 80 \Database\NIST05a.L Minimum Quality: 80

C:\Database\NIST05a.L C:\Database\PMW\_TOX2.L

PK# RT Library/ID CAS# Qual

3 8.48 C:\Database\NIST05a.L

Morphinan-6-ol, 7,8-didehydro-4,5-e 000076-57-3 99 Morphinan-6-ol, 7,8-didehydro-4,5-e 000076-57-3 99 Morphinan-8-ol, 6,7-didehydro-4,5-e 000509-55-7 97



815016.D

Tue Feb 14 13:01:09 2012

File Name : C:\msdchem\1\System7\01\_26\_12\815016.D

Operator : KAC

4

Date Acquired : 26 Jan 2012 18:40

Submitted by : P.PIRO
Vial Number : 16
AcquisitionMeth: SCREEN.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L

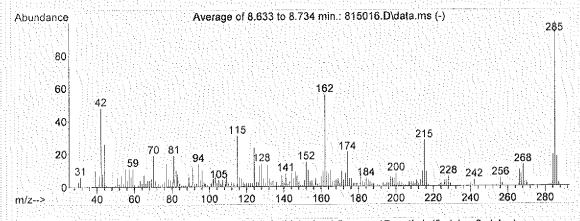
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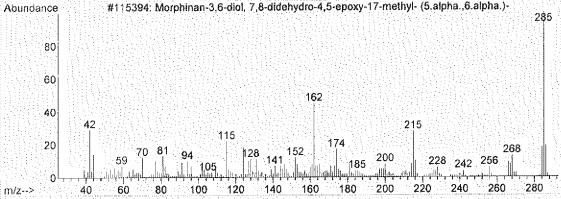
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PK# RT Library/ID CAS# Qual

8.67 C:\Database\NIST05a.L

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: C:\msdchem\1\System7\01\_26\_12\815016.D File Name

KAC Operator

Date Acquired 26 Jan 2012 18:40

P.PIRO Submitted by Vial Number 1.6 AcquisitionMeth: SCREEN.M

RTE Integrator

Minimum Quality: 80 C:\Database\SLI.L Search Libraries: Minimum Quality: 80

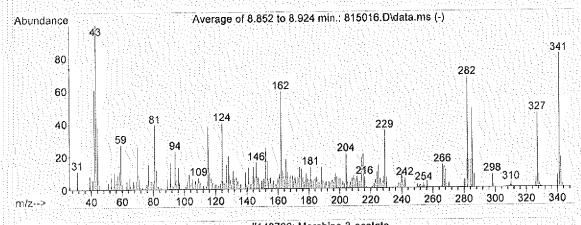
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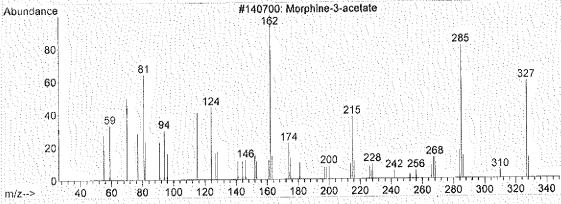
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C:\Database\NIST05a.L 8.89

97 005140-28-3 Morphine-3-acetate 006703-27-1 97 Morphinan-6-ol, 7,8-didehydro-4,5-e 96 1000153-00-1 Morphin, 3-acetyl-





File Name : C:\msdchem\1\System7\01\_26\_12\815016.D

Operator : KAC

Date Acquired : 26 Jan 2012 18:40

Submitted by : P.PIRO

Vial Number : 16

AcquisitionMeth: SCREEN.M

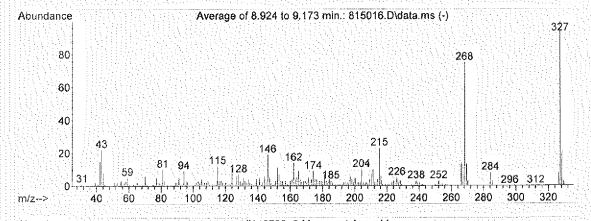
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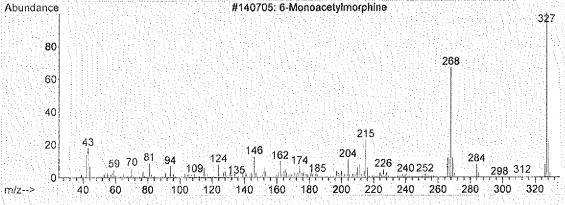
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6-Monoacetylmorphine	
6-Monoacetylmorphine	002784-73-8 99





Information from Data File:

File Name : C:\msdchem\1\System7\01\_26\_12\815016.D

Operator. : KAC

Date Acquired 26 Jan 2012 18:40

Submitted by P. PIRO Vial Number 16 AcquisitionMeth: SCREEN.M Integrator RTE

Search Libraries: C:\Database\SLI.L

Minimum Quality: 80 Minimum Quality: 80

C:\Database\NIST05a.L

C:\Database\PMW TOX2.L

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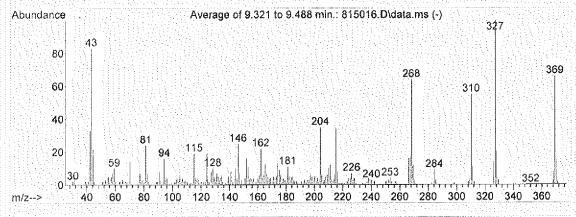
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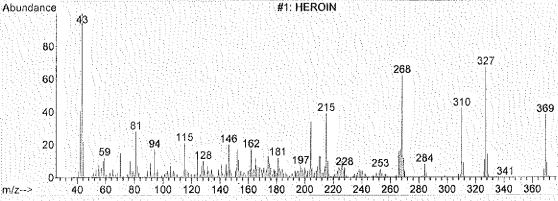
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HEROIN

000561-27-3

99





815016.D

Tue Feb 14 13:01:12 2012

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Date Acquired : 26 Jan 2012 19:59

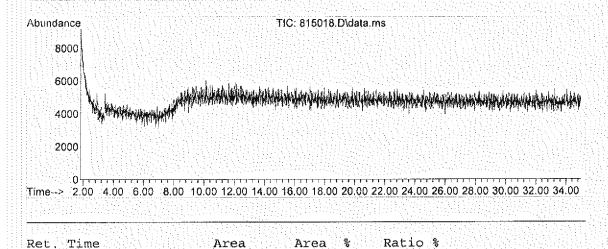
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Submitted by

Submitted by : Vial Number : 1

AcquisitionMeth: SCREEN.M

: RTE Integrator



\*\*\*NO INTEGRATED PEAKS\*\*\*

815018,D

Tue Feb 14 13:01:24 2012

Information from Data File:

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Operator : : KAC

Date Acquired : 26 Jan 2012 20:38

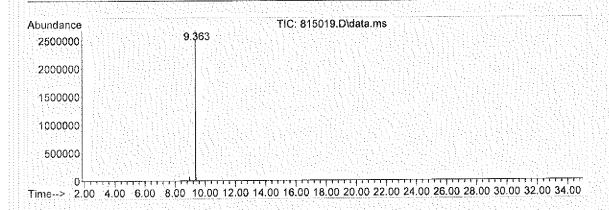
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Submitted by

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AcquisitionMeth: SCREEN.M

: RTE Integrator



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Information from Data File:

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Operator : KAC

Date Acquired : 26 Jan 2012 20:38 : HEROIN STD

Sample Name

Submitted by

Vial Number 19

AcquisitionMeth: SCREEN.M Integrator RTE

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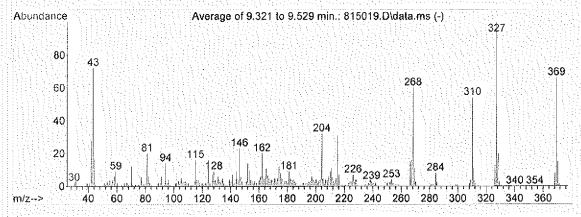
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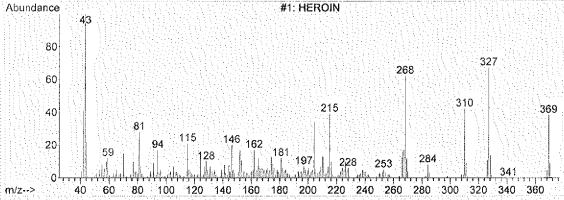
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HEROIN

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815019.D

Tue Feb 14 13:01:28 2012

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